

Result No.	Score	Query	Match	Length	DB ID	Description
1	1256	99.1	239	3	US-09-172-063-3	Sequence 3, Appli
2	1256	99.1	239	4	US-09-513-783A-46	Sequence 46, Appli
3	1256	99.1	239	4	US-09-316-919-4	Sequence 4, Appli
4	1256	99.1	239	4	US-09-602-641-3	Sequence 3, Appli
5	1256	99.1	239	4	US-09-940-922-2	Sequence 2, Appli
6	1256	99.1	239	4	US-09-316-920A-4	Sequence 4, Appli
7	1256	99.1	239	4	US-09-430-656-46	Sequence 46, Appli
8	1256	99.1	281	3	US-09-062-10-1	Sequence 1, Appli
9	1256	99.1	281	3	US-09-364-946-1	Sequence 1, Appli
10	1256	99.1	294	4	US-09-513-783A-2	Sequence 2, Appli
11	1256	99.1	294	4	US-09-130-656-2	Sequence 2, Appli
12	1256	99.1	323	3	US-09-172-063-21	Sequence 21, Appli
13	1256	99.1	323	4	US-09-502-641-21	Sequence 21, Appli
14	1256	99.1	364	3	US-09-085-305-6	Sequence 6, Appli
15	1256	99.1	379	4	US-09-417-197-129	Sequence 129, Appli
16	1256	99.1	434	4	US-09-800-170-48	Sequence 48, Appli
17	1256	99.1	442	4	US-09-417-197-127	Sequence 127, Appli
18	1256	99.1	459	4	US-09-513-783A-170	Sequence 170, Appli
19	1256	99.1	544	4	US-09-417-197-113	Sequence 113, Appli
20	1256	99.1	544	4	US-09-417-197-115	Sequence 115, Appli
21	1256	99.1	604	4	US-09-417-197-59	Sequence 59, Appli
22	1256	99.1	605	4	US-09-417-197-41	Sequence 41, Appli
23	1256	99.1	606	4	US-09-417-197-65	Sequence 65, Appli
24	1256	99.1	607	4	US-09-417-197-63	Sequence 47, Appli
25	1256	99.1	630	4	US-09-417-197-53	Sequence 63, Appli
26	1256	99.1	631	4	US-09-417-197-39	Sequence 39, Appli
27	1256	99.1	633	4	US-09-417-197-45	Sequence 45, Appli

RESULT 2
US 09-513-783A-46
Sequence 46, Application US/09513783A
GENERAL INFORMATION:
APPLICANT: Giuliano, Kenneth A.
TITLE OF INVENTION: A System for Cell Based Screening
FILE REFERENCE: 97-022-LI
CURRENT APPLICATION NUMBER: US/09/513,783A
NUMBER OF SEQ ID NOS: 180
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 46
LENGTH: 239
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: EGFP
US-09-513-783A-46

Query Match 99.1%; Score 1256; DB 4; Length 239;
Best Local Similarity 98.3%; Pred. No. 1..1e-123; Indels 0; Gaps 0;
Matches 235; Conservative 3; Mismatches 1;

Qy 1 MVSKGBELFTGVPVPLIVEDGVDNCHKFSSVSGEGDARYGKLTFLKIFCTTGKLKPVPPT 60
Db 1 MVSKGBELFTGVPVPLIVEDGVDNCHKFSSVSGEGDARYGKLTFLKIFCTTGKLKPVPPT 60
Qy 61 LVTXLSYGVQCSRFYDPMQHDFPKSAMPEGYQERTTFFKDDGNYKTRAEVKPEGDTL 120
Db 61 LVTXLSYGVQCSRFYDPMQHDFPKSAMPEGYQERTTFFKDDGNYKTRAEVKPEGDTL 120
Qy 121 VNRIELKGIDFKEGNILGHKLEYNNSHNVYIMADKQNGIKVNFKIRHNIEDGSVOLA 180
Db 121 VNRIELKGIDFKEGNILGHKLEYNNSHNVYIMADKQNGIKVNFKIRHNIEDGSVOLA 180
Qy 181 DHYQONTPIGDGPVLLPDNHYLSTOSALSKDPNEKRDMVLLFVTAAGITLGMDLYK 239
Db 181 DHYQONTPIGDGPVLLPDNHYLSTOSALSKDPNEKRDMVLLFVTAAGITLGMDLYK 239

RESULT 3
US-09-316-919-4
Sequence 4, Application US/09316919
Patent No 646154
GENERAL INFORMATION:
APPLICANT: Tsien, Roger V.
APPLICANT: Bair, Geoffrey
TITLE OF INVENTION: FLUORESCENT PROTEIN INDICATORS
FILE REFERENCE: 07257/073001
CURRENT APPLICATION NUMBER: US/09/316,919
NUMBER OF SEQ ID NOS: 63
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 4
LENGTH: 239
TYPE: PRT
ORGANISM: Aequorea victoria
US-09-316-919-4

Query Match 99.1%; Score 1256; DB 4; Length 239;
Best Local Similarity 98.3%; Pred. No. 1..1e-123; Indels 0; Gaps 0;
Matches 235; Conservative 3; Mismatches 1;

Qy 1 MVSKGBELFTGVPVPLIVEDGVDNCHKFSSVSGEGDARYGKLTFLKIFCTTGKLKPVPPT 60
Db 1 MVSKGBELFTGVPVPLIVEDGVDNCHKFSSVSGEGDARYGKLTFLKIFCTTGKLKPVPPT 60
Qy 61 LVTXLSYGVQCSRFYDPMQHDFPKSAMPEGYQERTTFFKDDGNYKTRAEVKPEGDTL 120
Db 61 LVTXLSYGVQCSRFYDPMQHDFPKSAMPEGYQERTTFFKDDGNYKTRAEVKPEGDTL 120
Qy 121 VNRIELKGIDFKEGNILGHKLEYNNSHNVYIMADKQNGIKVNFKIRHNIEDGSVOLA 180
Db 121 VNRIELKGIDFKEGNILGHKLEYNNSHNVYIMADKQNGIKVNFKIRHNIEDGSVOLA 180
Qy 181 DHYQONTPIGDGPVLLPDNHYLSTOSALSKDPNEKRDMVLLFVTAAGITLGMDLYK 239
Db 181 DHYQONTPIGDGPVLLPDNHYLSTOSALSKDPNEKRDMVLLFVTAAGITLGMDLYK 239

RESULT 4
US-09-602-641-3
Sequence 3, Application US/09602641
Patent No. 6608189
GENERAL INFORMATION:
APPLICANT: Tsien, Roger V.
APPLICANT: Miyawaki, Atsushi
APPLICANT: Llopis, Juan
APPLICANT: Wachter, Rebeka M.
APPLICANT: Remington, S James
TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR MEASURING THE PH OF A BIOLOGICAL SAMPLE
FILE REFERENCE: 07257/071001
CURRENT APPLICATION NUMBER: US/09/602,641
CURRENT FILING DATE: 2000-06-22
PRIOR APPLICATION NUMBER: 09/172,063
PRIOR FILING DATE: 1998-10-13
NUMBER OF SEQ ID NOS: 38
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 3
LENGTH: 239
TYPE: PRT
ORGANISM: Aequorea victoria
FEATURE:
NAME/KEY: VARIANT
LOCATION: (0)..(0)
OTHER INFORMATION: EGFP
US-09-602-641-3

Query Match 99.1%; Score 1256; DB 4; Length 239;
Best Local Similarity 98.3%; Pred. No. 1..1e-123; Indels 0; Gaps 0;
Matches 235; Conservative 3; Mismatches 1;

Qy 1 MVSKGBELFTGVPVPLIVEDGVDNCHKFSSVSGEGDARYGKLTFLKIFCTTGKLKPVPPT 60
Db 1 MVSKGBELFTGVPVPLIVEDGVDNCHKFSSVSGEGDARYGKLTFLKIFCTTGKLKPVPPT 60
Qy 61 LVTXLSYGVQCSRFYDPMQHDFPKSAMPEGYQERTTFFKDDGNYKTRAEVKPEGDTL 120
Db 61 LVTXLSYGVQCSRFYDPMQHDFPKSAMPEGYQERTTFFKDDGNYKTRAEVKPEGDTL 120
Qy 121 VNRIELKGIDFKEGNILGHKLEYNNSHNVYIMADKQNGIKVNFKIRHNIEDGSVOLA 180
Db 121 VNRIELKGIDFKEGNILGHKLEYNNSHNVYIMADKQNGIKVNFKIRHNIEDGSVOLA 180
Qy 181 DHYQONTPIGDGPVLLPDNHYLSTOSALSKDPNEKRDMVLLFVTAAGITLGMDLYK 239
Db 181 DHYQONTPIGDGPVLLPDNHYLSTOSALSKDPNEKRDMVLLFVTAAGITLGMDLYK 239

RESULT 5
US-09-920-922-2
Sequence 2, Application US/09920922
Patent No. 6673610
GENERAL INFORMATION:
APPLICANT: Miyawaki, Atsushi
APPLICANT: Sawato, Asako
TITLE OF INVENTION: METHOD FOR MUTAGENESIS
FILE REFERENCE: 11283-012001
CURRENT APPLICATION NUMBER: US/09/920,922
CURRENT FILING DATE: 2001-08-02
PRIOR APPLICATION NUMBER: JP 2000-227166
PRIOR FILING DATE: 2000-08-04
NUMBER OF SEQ ID NOS: 9

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 2 LENGTH: 239
TYPE: PRT ORGANISM: Aequorea victoria

US-09-920-922-2

Query Match Best Local Similarity 99.1%; Score 1256; DB 4; Length 239;
Pred. No. 1.1e-123; Mismatches 3; Indels 0; Gaps 0;

Matches 235; Conservative 98.3%;

Qy 1 MVSKGEBELFTGVPVILVLDGVNGHKF SVSCEGEGDATYGLTLKPICTGKLPVWPPT 60
Db 1 MVSKGEBELFTGVPVILVLDGVNGHKF SVSCEGEGDATYGLTLKPICTGKLPVWPPT 60

Qy 61 LVTXLSTGVQCSRFSPDHMKQHDFEFFKSAMPGEYVQERTIFFKDDGNYKTRAEVKPEGDTL 120
Db 61 LVTLTLYVGQCSRFSPDHMKQHDFEFFKSAMPGEYVQERTIFFKDDGNYKTRAEVKPEGDTL 120

Qy 121 VNRIELKGIDFKEGDNLIGHKLEYNNTSHNYTIMADKQKNGIKVNFKIRANIEDGSVQLA 180
Db 121 VNRIELKGIDFKEGDNLIGHKLEYNNTSHNYTIMADKQKNGIKVNFKIRANIEDGSVQLA 180

Qy 181 DHYQQNTPIGDGPVLLPDNHYLSTQSALSKDPNERKDHMVLXGFVTAAGITLGMDELYK 239
Db 181 DHYQQNTPIGDGPVLLPDNHYLSTQSALSKDPNERKDHMVLFVTAAGITLGMDELYK 239

RESULT 6

US-09-316-920A-4

Sequence 4, Application US/09316920A

Patent No. 6399687

GENERAL INFORMATION:

APPLICANT: THE RECENTS OF THE UNIVERSITY OF CALIFORNIA

APPONENT: Tsien, Roger Y.

ATTORNEY: Baird, Geoffrey

TITLE OF INVENTION: CIRCULARLY PERMUTED FLUORESCENT PROTEIN INDICATORS

FILE REFERENCE: REGEN1470

CURRENT APPLICATION NUMBER: US/09/315,920A

CURRENT FILING DATE: 1999-05-21

NUMBER OF SEQ ID NOS: 63

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 4 LENGTH: 239

TYPE: PRT

ORGANISM: Aequorea victoria

US-09-316-920A-4

Query Match Best Local Similarity 99.1%; Score 1256; DB 4; Length 239;

Mismatches 3; Indels 1; Gaps 0;

Matches 235; Conservative 98.3%;

Qy 1 MVSKGEBELFTGVPVILVLDGVNGHKF SVSCEGEGDATYGLTLKPICTGKLPVWPPT 60
Db 1 MVSKGEBELFTGVPVILVLDGVNGHKF SVSCEGEGDATYGLTLKPICTGKLPVWPPT 60

Qy 61 LVTXLSTGVQCSRFSPDHMKQHDFEFFKSAMPGEYVQERTIFFKDDGNYKTRAEVKPEGDTL 120
Db 61 LVTLTLYVGQCSRFSPDHMKQHDFEFFKSAMPGEYVQERTIFFKDDGNYKTRAEVKPEGDTL 120

Qy 121 VNRIELKGIDFKEGDNLIGHKLEYNNTSHNYTIMADKQKNGIKVNFKIRANIEDGSVQLA 180
Db 121 VNRIELKGIDFKEGDNLIGHKLEYNNTSHNYTIMADKQKNGIKVNFKIRANIEDGSVQLA 180

Qy 181 DHYQQNTPIGDGPVLLPDNHYLSTQSALSKDPNERKDHMVLXGFVTAAGITLGMDELYK 239
Db 181 DHYQQNTPIGDGPVLLPDNHYLSTQSALSKDPNERKDHMVLFVTAAGITLGMDELYK 239

RESULT 8

US-09-062-102-1 Sequence 1, Application US/09062102

Patent No. 6130313

GENERAL INFORMATION:

APPLICANT: Kain, Steve

ATTORNEY: Li, Xiangang

TITLE OF INVENTION: Rapidly Degrading GFP-Fusion Proteins and Methods

FILE REFERENCE: D6100

CURRENT APPLICATION NUMBER: US/09/062,102

EARLIER APPLICATION NUMBER: 1998-04-17

NUMBER OF SEQ ID NOS: 3

SEQ ID NO 1 LENGTH: 281

TYPE: PRT

ORGANISM: artificial sequence

FEATURE:

OTHER INFORMATION: Sequence of the EGFP-MODC422-461 fusion protein.

Patent No. 6130313

US-09-062-102-1

Query Match Similarity 99.1%; Score 1256; DB 3; Length 281;
 Best Local Similarity 98.3%; Pred. No. 1.5e-123; Indels 0; Gaps 0;
 Matches 235; Conservative 3; Mismatches 1;

Qy 1 MVSKEELTGVVPLVEDGDNHKEVSSEGEGLDATYKLTLPKICITGKLPPWPPT 60
 Db 1 MVSKEELTGVVPLVEDGDNHKEVSSEGEGLDATYKLTLPKICITGKLPPWPPT 60

Qy 61 LVTXLSYGVQCFSPYRDPDKMQHDFPKSAMPEGVQERTIFFKDDGNYKTRAEVKFEGDTL 120
 Qy 61 LVTXLSYGVQCFSPYRDPDKMQHDFPKSAMPEGVQERTIFFKDDGNYKTRAEVKFEGDTL 120

Db 121 VNRIELKGIDFKEGNILGHKLEYNNSHNVYIMADKQNGTKVNFKIRHNTEGDSVOLA 180
 Db 121 VNRIELKGIDFKEGNILGHKLEYNNSHNVYIMADKQNGTKVNFKIRHNTEGDSVOLA 180

Db 121 DHYQONTPIGDGPVLLPDNHLSTOSALSKDNPNEKRDMVLXGFVTAAGITLGMDELYK 239
 Qy 181 DHYQONTPIGDGPVLLPDNHLSTOSALSKDNPNEKRDMVLXGFVTAAGITLGMDELYK 239

Db 121 DHYQONTPIGDGPVLLPDNHLSTOSALSKDNPNEKRDMVLXGFVTAAGITLGMDELYK 239
 Qy 121 DHYQONTPIGDGPVLLPDNHLSTOSALSKDNPNEKRDMVLXGFVTAAGITLGMDELYK 239

RESULT 9
 US-09-364-946-1
 ; Sequence 1, Application US/09364946

; GENERAL INFORMATION:
 ; APPLICANT: Kain, Steve
 ; APPLICANT: Li, Xiangang
 ; TITLE OF INVENTION: Rapidly Degrading GFP-Fusion Proteins and Methods
 ; TITLE OF INVENTION: Of Use
 ; FILE REFERENCE: D6100C1P/D2
 ; CURRENT APPLICATION NUMBER: US/09/364,946
 ; CURRENT FILING DATE: 1999-07-30
 ; EARLIER APPLICATION NUMBER: US 09/191,233
 ; EARLIER FILING DATE: 1998-11-13
 ; NUMBER OF SEQ ID NOS: 14
 ; SEQ ID NO 1
 ; LENGTH: 281
 ; TYPE: PRT
 ; ORGANISM: artificial sequence
 ; FEATURE: Sequence of the EGFP-MODC422-461 fusion protein.
 ; OTHER INFORMATION: Sequence of the EGFP-MODC422-461 fusion protein.
 ; Patent No. 6306600
 ; SEQ ID NO 1
 ; LENGTH: 281
 ; TYPE: PRT
 ; ORGANISM: artificial sequence
 ; FEATURE:
 ; OTHER INFORMATION: Sequence of the EGFP-MODC422-461 fusion protein.

Query Match Similarity 99.1%; Score 1256; DB 3; Length 281;
 Best Local Similarity 98.3%; Pred. No. 1.5e-123; Indels 0; Gaps 0;
 Matches 235; Conservative 3; Mismatches 1;

Qy 1 MVSKEELTGVVPLVEDGDNHKEVSSEGEGLDATYKLTLPKICITGKLPPWPPT 60
 Db 1 MVSKEELTGVVPLVEDGDNHKEVSSEGEGLDATYKLTLPKICITGKLPPWPPT 60

Qy 61 LVTXLSYGVQCFSPYRDPDKMQHDFPKSAMPEGVQERTIFFKDDGNYKTRAEVKFEGDTL 120
 Qy 61 LVTXLSYGVQCFSPYRDPDKMQHDFPKSAMPEGVQERTIFFKDDGNYKTRAEVKFEGDTL 120

Db 121 VNRIELKGIDFKEGNILGHKLEYNNSHNVYIMADKQNGTKVNFKIRHNTEGDSVOLA 180
 Db 121 VNRIELKGIDFKEGNILGHKLEYNNSHNVYIMADKQNGTKVNFKIRHNTEGDSVOLA 180

Db 121 DHYQONTPIGDGPVLLPDNHLSTOSALSKDNPNEKRDMVLXGFVTAAGITLGMDLYK 239
 Qy 181 DHYQONTPIGDGPVLLPDNHLSTOSALSKDNPNEKRDMVLXGFVTAAGITLGMDLYK 239
 Db 181 DHYQONTPIGDGPVLLPDNHLSTOSALSKDNPNEKRDMVLXGFVTAAGITLGMDLYK 239

RESULT 10
 US-09-430-656-2
 ; Sequence 2, Application US/09430656
 ; Patent No. 675607
 ; GENERAL INFORMATION:
 ; APPLICANT: Giuliano, Kenneth A.
 ; APPLICANT: Bright, Gary
 ; APPLICANT: Olson, Keith
 ; APPLICANT: Burroughs-Tencza, Sarah
 ; TITLE OF INVENTION: A System for Cell Based Screening
 ; FILE REFERENCE: 97-022-K
 ; CURRENT APPLICATION NUMBER: US/09/430, 656
 ; PRIOR APPLICATION NUMBER: 09/398, 965
 ; PRIOR FILING DATE: 1999-10-29
 ; PRIOR APPLICATION NUMBER: 09/398, 965
 ; PRIOR FILING DATE: 1999-09-17
 ; PRIOR APPLICATION NUMBER: 09/031, 271
 ; PRIOR FILING DATE: 1998-10-27
 ; PRIOR APPLICATION NUMBER: 08/810, 983
 ; PRIOR FILING DATE: 1997-05-27
 ; PRIOR APPLICATION NUMBER: 60/136, 078
 ; PRIOR FILING DATE: 1998-05-26
 ; PRIOR APPLICATION NUMBER: 60/106, 308
 ; PRIOR FILING DATE: 1998-10-30
 ; NUMBER OF SEQ ID NOS: 168
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 2
 ; LENGTH: 294
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence:
 ; OTHER INFORMATION: GFP-DEVD-Annexin II construct

Query Match Similarity 99.1%; Score 1256; DB 4; Length 294;
 Best Local Similarity 98.3%; Pred. No. 1.6e-123;

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OM protein - protein search, using SW model

Run on: November 2, 2004, 13:08:24 ; Search time 130 Seconds
(without alignments)

Scoring table: BL05M62DX

Title: US-09-887-784-4-X64-X222

Perfect score: 1267

Sequence: MVSKEELFTGVVPLVBLD.....VLxGFTAAGITLGMDLYK 239

Scoring table: BL05M62DX

Gapop 10.0 , Gapext 0.5

Searched: 1370721 seqs, 324215800 residues

Total number of hits satisfying chosen parameters: 1370721

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing First 45 summaries

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 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1267	100.0	239	9 US-09-887-784-4	Sequence 4, Appli
2	1267	100.0	239	15 US-10-296-553-4	Sequence 4, Appli
3	1267	100.0	363	14 US-10-270-223-6	Sequence 6, Appli
4	1267	100.0	893	14 US-10-257-309A-30	Sequence 30, Appli
5	1267	100.0	1132	14 US-10-257-309A-32	Sequence 32, Appli
6	1259	99.4	239	9 US-09-887-784-2	Sequence 2, Appli
7	1259	99.4	239	15 US-10-296-553-2	Sequence 2, Appli
8	1256	99.1	239	9 US-09-320-912-2	Sequence 4, Appli
9	1256	99.1	239	9 US-09-999-745-4	Sequence 4, Appli
10	1256	99.1	239	10 US-09-386-338-4	Sequence 4, Appli
11	1256	99.1	239	10 US-09-797-996B-2	Sequence 2, Appli
12	1256	99.1	239	10 US-09-794-308-4	Sequence 4, Appli
13	1256	99.1	239	10 US-09-865-291-4	Sequence 4, Appli

ALIGNMENTS

Match	Score	Length	DB	9	Matches	No.	Indels	Gaps	0;
1	100.0%	239	US-09-887-784-4	100.0%	100.0%	1	0	0	0;
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3	99.2%	239	US-09-887-784-4	99.2%	99.2%	1	0	0	0;
4	99.2%	239	US-09-887-784-4	99.2%	99.2%	1	0	0	0;
5	99.2%	239	US-09-887-784-4	99.2%	99.2%	1	0	0	0;
6	99.2%	239	US-09-887-784-4	99.2%	99.2%	1	0	0	0;
7	99.2%	239	US-09-887-784-4	99.2%	99.2%	1	0	0	0;
8	99.2%	239	US-09-887-784-4	99.2%	99.2%	1	0	0	0;
9	99.2%	239	US-09-887-784-4	99.2%	99.2%	1	0	0	0;
10	99.2%	239	US-09-887-784-4	99.2%	99.2%	1	0	0	0;
11	99.2%	239	US-09-887-784-4	99.2%	99.2%	1	0	0	0;
12	99.2%	239	US-09-887-784-4	99.2%	99.2%	1	0	0	0;
13	99.2%	239	US-09-887-784-4	99.2%	99.2%	1	0	0	0;

RESULT 1
 US-09-887-784-4
 Sequence 4, Application US-09887784
 ; Parent No. US20217189AI
 ; GENERAL INFORMATION:
 ; APPLICANT: BJORN, Sara et al.
 ; TITLE OF INVENTION: NOVEL FLUORESCENT PROTEINS
 ; FILE REFERENCE: 3759-0115P
 ; CURRENT APPLICATION NUMBER: US-09-887-784
 ; CURRENT FILING DATE: 2001-06-19
 ; NUMBER OF SEQ ID NOS: 24
 ; SOFTWARE: Patentin version 3.0
 ; SEQ ID NO: 4
 ; LENGTH: 239
 ; TYPE: PRT
 ; ORGANISM: Aequoria Victoria
 US-09-887-784-4

SUMMARIES

Query	Match	Score	Local Similarity	Best	Length
1	MVKSGEBLFTGVVPLVLEDGVNGHKFSVSGEGEDATVGKLTKFICITGKLTPWPWT	100.0%	99.2%	100.0%	239
2	MVKSGEBLFTGVVPLVLEDGVNGHKFSVSGEGEDATVGKLTKFICITGKLTPWPWT	100.0%	99.2%	100.0%	239
3	MVKSGEBLFTGVVPLVLEDGVNGHKFSVSGEGEDATVGKLTKFICITGKLTPWPWT	100.0%	99.2%	100.0%	239
4	MVKSGEBLFTGVVPLVLEDGVNGHKFSVSGEGEDATVGKLTKFICITGKLTPWPWT	100.0%	99.2%	100.0%	239
5	MVKSGEBLFTGVVPLVLEDGVNGHKFSVSGEGEDATVGKLTKFICITGKLTPWPWT	100.0%	99.2%	100.0%	239
6	MVKSGEBLFTGVVPLVLEDGVNGHKFSVSGEGEDATVGKLTKFICITGKLTPWPWT	100.0%	99.2%	100.0%	239
7	MVKSGEBLFTGVVPLVLEDGVNGHKFSVSGEGEDATVGKLTKFICITGKLTPWPWT	100.0%	99.2%	100.0%	239
8	MVKSGEBLFTGVVPLVLEDGVNGHKFSVSGEGEDATVGKLTKFICITGKLTPWPWT	100.0%	99.2%	100.0%	239
9	MVKSGEBLFTGVVPLVLEDGVNGHKFSVSGEGEDATVGKLTKFICITGKLTPWPWT	100.0%	99.2%	100.0%	239
10	MVKSGEBLFTGVVPLVLEDGVNGHKFSVSGEGEDATVGKLTKFICITGKLTPWPWT	100.0%	99.2%	100.0%	239
11	MVKSGEBLFTGVVPLVLEDGVNGHKFSVSGEGEDATVGKLTKFICITGKLTPWPWT	100.0%	99.2%	100.0%	239
12	MVKSGEBLFTGVVPLVLEDGVNGHKFSVSGEGEDATVGKLTKFICITGKLTPWPWT	100.0%	99.2%	100.0%	239
13	MVKSGEBLFTGVVPLVLEDGVNGHKFSVSGEGEDATVGKLTKFICITGKLTPWPWT	100.0%	99.2%	100.0%	239
14	MVKSGEBLFTGVVPLVLEDGVNGHKFSVSGEGEDATVGKLTKFICITGKLTPWPWT	100.0%	99.2%	100.0%	239
15	MVKSGEBLFTGVVPLVLEDGVNGHKFSVSGEGEDATVGKLTKFICITGKLTPWPWT	100.0%	99.2%	100.0%	239
16	MVKSGEBLFTGVVPLVLEDGVNGHKFSVSGEGEDATVGKLTKFICITGKLTPWPWT	100.0%	99.2%	100.0%	239
17	MVKSGEBLFTGVVPLVLEDGVNGHKFSVSGEGEDATVGKLTKFICITGKLTPWPWT	100.0%	99.2%	100.0%	239
18	MVKSGEBLFTGVVPLVLEDGVNGHKFSVSGEGEDATVGKLTKFICITGKLTPWPWT	100.0%	99.2%	100.0%	239
19	MVKSGEBLFTGVVPLVLEDGVNGHKFSVSGEGEDATVGKLTKFICITGKLTPWPWT	100.0%	99.2%	100.0%	239
20	MVKSGEBLFTGVVPLVLEDGVNGHKFSVSGEGEDATVGKLTKFICITGKLTPWPWT	100.0%	99.2%	100.0%	239

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1267	100.0	239	9 US-09-887-784-4	Sequence 4, Appli
2	1267	100.0	239	15 US-10-296-553-4	Sequence 4, Appli
3	1267	100.0	363	14 US-10-270-223-6	Sequence 6, Appli
4	1267	100.0	893	14 US-10-257-309A-30	Sequence 30, Appli
5	1267	100.0	1132	14 US-10-257-309A-32	Sequence 32, Appli
6	1259	99.4	239	9 US-09-887-784-2	Sequence 2, Appli
7	1259	99.4	239	15 US-10-296-553-2	Sequence 2, Appli
8	1256	99.1	239	15 US-09-320-912-2	Sequence 2, Appli
9	1256	99.1	239	9 US-09-999-745-4	Sequence 4, Appli
10	1256	99.1	239	10 US-09-866-338-4	Sequence 4, Appli
11	1256	99.1	239	10 US-09-797-996B-2	Sequence 2, Appli
12	1256	99.1	239	10 US-09-794-308-4	Sequence 4, Appli
13	1256	99.1	239	10 US-09-865-291-4	Sequence 4, Appli

```

RESULT ^ 2
US-10-296-953-4
; Sequence 4, Application US/10296953
; Publication No. US20040072995A1
; GENERAL INFORMATION:
; APPLICANT: BJORN, SARA P.
; APPLICANT: PAGLIARO, LEN
; APPLICANT: THASTRUP, OLE
; TITLE OF INVENTION: NOVEL FLUORESCENT PROTEINS
; FILE REFERENCE: PL0095
; CURRENT APPLICATION NUMBER: US/10/296,953
; CURRENT FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: PA 2000 00953
; PRIOR FILING DATE: 2000-06-19
; PRIOR APPLICATION NUMBER: 60/212,681
; PRIOR FILING DATE: 2000-06-20
; PRIOR APPLICATION NUMBER: 60/290,170
; PRIOR FILING DATE: 2001-05-10
; PRIOR APPLICATION NUMBER: PA 2001 00739
; PRIOR FILING DATE: 2001-05-10
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 239
; TYPE: PRT
; ORGANISM: Aequorea victoria
; US-10-296-953-4

Query Match          100.0%; Score 1267; DB 15; Length 239;
Best Local Similarity 99.2%; Pred. No. 2.7e-112; Gaps
Matches 237; Conservative 2; Mismatches 0; Indels 0; Gaps
Qy   1 MVSKGCBELPTGIVVPILVLEDGVNQHKFSEVSGEGBGDATYGRULUKFICTTGKLPVNPPT 60
Db   1 MVSKGCBELPTGIVVPILVLEDGVNQHKFSEVSGEGBGDATYGRULUKFICTTGKLPVNPPT 60
Qy   61 LVTXLISYGQOCFSRYPDHMKQHDFFKSAMPEGYYQERTIFFKODDNYKTRAEVKFGDTL 123
Db   61 LVTXLISYGQOCFSRYPDHMKQHDFFKSAMPEGYYQERTIFFKODDNYKTRAEVKFGDTL 123
Qy   61 LVTXLISYGQOCFSRYPDHMKQHDFFKSAMPEGYYQERTIFFKODDNYKTRAEVKFGDTL 123
Db   121 VNRIELKGIDKEGNLGHKLKEYNNNSHNVYIMADKKONGKIKUNFKIRHNEDGSVQLA 141
Qy   121 VNRIELKGIDKEGNLGHKLKEYNNNSHNVYIMADKKONGKIKUNFKIRHNEDGSVQLA 141
Db   121 VNRIELKGIDKEGNLGHKLKEYNNNSHNVYIMADKKONGKIKUNFKIRHNEDGSVQLA 141
Qy   181 DHYQQNTPIGDGPVLLPDNHYLSTQSALSXDPNEKDHYMLXGFYTAAGITLGMDDELYK 23
Db   181 DHYQQNTPIGDGPVLLPDNHYLSTQSALSXDPNEKDHYMLXGFYTAAGITLGMDDELYK 23

RESULT ^ 3
US-10-270-223-6
; Sequence 6, Application US/10270223
; Publication No. US20030143634A1
; GENERAL INFORMATION:
; APPLICANT: BioImage A/S
; TITLE OF INVENTION: AN IMPROVED METHOD TO DETECT INTERACTIONS BETWEEN CELLS
; TITLE OF INVENTION: IMPACT LIVING CELLS, AND TO EXTRACT QUANTITATIVE INFORMATION
; TITLE OF INVENTION: INTERACTIONS BY FLUORESCENCE REDISTRIBUTION.
; FILE REFERENCE: 3759-0126P
; CURRENT APPLICATION NUMBER: US/10/270,223
; CURRENT FILING DATE: 2002-10-11
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 363
; TYPE: PRT
; ORGANISM: Aequorea Victoria and Human
; US-10-270-223-6

Query Match          100.0%; Score 1267; DB 14; Length 363;

```

Matches 235; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

GENERAL INFORMATION:
 / APPLICANT: Tsien, Roger Y.
 / APPLICANT: Miyawaki, Atsushi
 / APPLICANT: Llopis, Juan
 / APPLICANT: Wachter, Rebekka M.
 / APPLICANT: Remington, S. James
 / TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR MEASURING THE PH OF A BIOLOGICAL SAMPLE
 / FILE REFERENCE: 07257/071001
 / CURRENT APPLICATION NUMBER: US/09/602,641
 / CURRENT FILING DATE: 2000-06-22
 / PRIOR APPLICATION NUMBER: 09/172,063
 / PRIOR FILING DATE: 1998-10-13
 / NUMBER OF SEQ ID NOS: 38
 / SOFTWARE: FastSEQ for Windows Version 4.0
 / SEQ ID NO: 21
 / LENGTH: 323
 / TYPE: PRT
 / ORGANISM: Aequorea victoria
 / FEATURE:
 / NAME/KEY: VARIANT
 / LOCATION: (0) .. (0)
 / OTHER INFORMATION: GT-EGFP
 US-09-602-641-21

RESULT 12
 Sequence No. 09172-063-21
 Application US/09172063
 GENERAL INFORMATION:
 / APPLICANT: Tsien, Roger Y.
 / APPLICANT: Miyawaki, Atsushi
 / APPLICANT: Llopis, Juan
 / APPLICANT: Wachter, Rebekka M.
 / APPLICANT: Remington, S. James
 / TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR MEASURING THE PH OF A BIOLOGICAL SAMPLE
 / FILE REFERENCE: 07257/071001
 / CURRENT APPLICATION NUMBER: US/09/172,063
 / CURRENT FILING DATE: 1998-10-13
 / EARLIER APPLICATION NUMBER: 09/094,359
 / EARLIER FILING DATE: 1998-06-09
 / NUMBER OF SEQ ID NOS: 38
 / SOFTWARE: FastSEQ for Windows Version 4.0
 / SEQ ID NO: 21
 / LENGTH: 323
 / TYPE: PRT
 / ORGANISM: Aequorea victoria
 / FEATURE:
 / NAME/KEY: VARIANT
 / LOCATION: (0) .. (0)
 / OTHER INFORMATION: GT-EGFP
 US-09-172-063-21

Query Match 99.1%; Score 1256; DB 3; Length 323;
 Best Local Similarity 98.3%; Pred. No. 1.8e-123;
 Matches 235; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

GENERAL INFORMATION:
 / Sequence 6, Application US/09085305
 / Patent No. 6191269
 / GENERAL INFORMATION:
 / APPLICANT: Pollock, Allan H.
 / APPLICANT: Lovett, David H.
 / APPLICANT: Turck, Johanna
 / TITLE OF INVENTION: Selective Induction of Apoptosis in Malignant Cancer Cells by Delivery of N-Terminal Interleukin-1 Alpha Pro-Piece Peptide
 / NUMBER OF SEQUENCES: 30
 / CORRESPONDENCE ADDRESS:
 / ADDRESS: Bozicovic & Reed, LLP
 / STREET: 285 Hamilton Ave, Suite 200
 / CITY: Palo Alto
 / STATE: CA
 / COUNTRY: USA
 / ZIP: 94301
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: Diskette
 / COMPUTER: IBM Compatible
 / OPERATING SYSTEM: DOS
 / SOFTWARE: FastSEQ for Windows Version 2.0
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/09/085,305
 / FILING DATE: 29-MAY-1998

RESULT 13
 Sequence 21, Application US/09602641
 / Patent No. 6608189

Matches 1; Mismatches 0; Indels 0; Gaps 0;

GENERAL INFORMATION:
 / APPLICANT: Tsien, Roger Y.
 / APPLICANT: Miyawaki, Atsushi
 / APPLICANT: Llopis, Juan
 / APPLICANT: Wachter, Rebekka M.
 / APPLICANT: Remington, S. James
 / TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR MEASURING THE PH OF A BIOLOGICAL SAMPLE
 / FILE REFERENCE: 07257/071001
 / CURRENT APPLICATION NUMBER: US/09/602,641
 / CURRENT FILING DATE: 2000-06-22
 / PRIOR APPLICATION NUMBER: 09/172,063
 / PRIOR FILING DATE: 1998-10-13
 / NUMBER OF SEQ ID NOS: 38
 / SOFTWARE: FastSEQ for Windows Version 4.0
 / SEQ ID NO: 21
 / LENGTH: 323
 / TYPE: PRT
 / ORGANISM: Aequorea victoria
 / FEATURE:
 / NAME/KEY: VARIANT
 / LOCATION: (0) .. (0)
 / OTHER INFORMATION: GT-EGFP
 US-09-085-305-6

Query Match 99.1%; Score 1256; DB 3; Length 323;
 Best Local Similarity 98.3%; Pred. No. 1.8e-123;
 Matches 235; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

GENERAL INFORMATION:
 / Sequence 6, Application US/09085305
 / Patent No. 6191269
 / GENERAL INFORMATION:
 / APPLICANT: Pollock, Allan H.
 / APPLICANT: Lovett, David H.
 / APPLICANT: Turck, Johanna
 / TITLE OF INVENTION: Selective Induction of Apoptosis in Malignant Cancer Cells by Delivery of N-Terminal Interleukin-1 Alpha Pro-Piece Peptide
 / NUMBER OF SEQUENCES: 30
 / CORRESPONDENCE ADDRESS:
 / ADDRESS: Bozicovic & Reed, LLP
 / STREET: 285 Hamilton Ave, Suite 200
 / CITY: Palo Alto
 / STATE: CA
 / COUNTRY: USA
 / ZIP: 94301
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: Diskette
 / COMPUTER: IBM Compatible
 / OPERATING SYSTEM: DOS
 / SOFTWARE: FastSEQ for Windows Version 2.0
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/09/085,305
 / FILING DATE: 29-MAY-1998

RESULT 14
 Sequence 14, Application US-09-085-305-6

Query Match 99.1%; Score 1256; DB 3; Length 323;
 Best Local Similarity 98.3%; Pred. No. 1.8e-123;
 Matches 235; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

GENERAL INFORMATION:
 / Sequence 6, Application US/09085305
 / Patent No. 6191269
 / GENERAL INFORMATION:
 / APPLICANT: Pollock, Allan H.
 / APPLICANT: Lovett, David H.
 / APPLICANT: Turck, Johanna
 / TITLE OF INVENTION: Selective Induction of Apoptosis in Malignant Cancer Cells by Delivery of N-Terminal Interleukin-1 Alpha Pro-Piece Peptide
 / NUMBER OF SEQUENCES: 30
 / CORRESPONDENCE ADDRESS:
 / ADDRESS: Bozicovic & Reed, LLP
 / STREET: 285 Hamilton Ave, Suite 200
 / CITY: Palo Alto
 / STATE: CA
 / COUNTRY: USA
 / ZIP: 94301
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: Diskette
 / COMPUTER: IBM Compatible
 / OPERATING SYSTEM: DOS
 / SOFTWARE: FastSEQ for Windows Version 2.0
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/09/085,305
 / FILING DATE: 29-MAY-1998

CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER:
 FILING/AGENT INFORMATION:
 NAME: Francis, Ciro L
 REGISTRATION NUMBER: 36,513
 REFERENCE/DOCKET NUMBER: 6510/102U\$1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650-327-4400
 TELIXX:
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 364 amino acids
 TYPE: amino acid
 STRANDENESS: single
 TOPOLOGY: linear
 US-09-085-305-6

Query Match 99.1%; Score 1256; DB 3; Length 364;
 Best Local Similarity 98.3%; Pred. No. 2.2e-123; Indels 0; Gaps 0;
 Matches 235; Conservative 3; Mismatches 1;

Qy 1 MVSKGBELFTGCVPPVPLIVEDQDVGNGHKFSSGEGEGDATYGLKLTFLKFTCTTGKLKPVPMP 60
 Db 126 MVSKGBELFTGCVPPVPLIVEDQDVGNGHKFSSGEGEGDATYGLKLTFLKFTCTTGKLKPVPMP 60
 Qy 61 LVTXLSYGVQCFSRYPDHMKQHDPEFKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGLDTL 120
 Db 186 LVTXLTYGVQCFSRYPDHMKQHDPEFKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGLDTL 245
 Qy 121 VNRIELKGIDFEDGNTLGHLEYNNNSHNVIMADKQNGIKYNFKIRHNIEGSVOLA 180
 Db 246 VNRIELKGIDFEDGNTLGHLEYNNNSHNVIMADKQNGIKYNFKIRHNIEGSVOLA 305
 Qy 181 DHYQQNTPIGDGPVLPDNHYLSTSALSQDPNEKRDHMYLXGPFVTAAGTILGMDELK 239
 Db 306 DHYQQNTPIGDGPVLPDNHYLSTSALSQDPNEKRDHMYLXGPFVTAAGTILGMDELK 364

RESULT 15
 US-09-417-197-129
 Sequence 129, Application US/0941797
 Patent No. 6519021
 GENERAL INFORMATION:
 APPLICANT: Ole THASTRUP, et al.
 TITLE OF INVENTION: A Method For Extracting Quantitative Information Relating To An I
 TITLE OF INVENTION: On A Cellular Response
 CURRENT APPLICATION NUMBER: US/09/417,197
 CURRENT FILING DATE: 1999-10-07
 NUMBER OF SEQ ID NOS: 143
 SOFTWARE: PatentIn version 3.0
 SEQ ID NO: 129
 LENGTH: 379
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: actin-binding-domain-EGFP fusion
 US-09-417-197-129

Query Match 99.1%; Score 1256; DB 4; Length 379;
 Best Local Similarity 98.3%; Pred. No. 2.3e-12; Indels 0; Gaps 0;
 Matches 235; Conservative 3; Mismatches 1;

Qy 1 MVSKGBELFTGCVPPVPLIVEDQDVGNGHKFSSGEGEGDATYGLKLTFLKFTCTTGKLKPVPMP 60
 Db 141 MVSKGBELFTGCVPPVPLIVEDQDVGNGHKFSSGEGEGDATYGLKLTFLKFTCTTGKLKPVPMP 200
 Qy 61 LVTXLSYGVQCFSRYPDHMKQHDPEFKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGLDTL 120
 Db 201 LVTXLTYGVQCFSRYPDHMKQHDPEFKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGLDTL 260

NUMBER OF SEQ ID NOS: 36
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO: 32
 LENGTH: 1132
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Fusion between Aequorea victoria and human
 US-10-257-909A-32

Query Match 100.0%; Score 1267; DB 14; Length 1132;
 Best Local Similarity 99.2%; Pred. No. 2,3e-11;
 Matches 237; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MYSKGEELFTGTVVPIVLDGVNGHKFVSSEGEQDATYGLTLKPICTGKLPPWPT 60
 Db 894 MYSKGEELFTGTVVPIVLDGVNGHKFVSSEGEQDATYGLTLKPICTGKLPPWPT 953
 Qy 61 LVTXLSTVQCFSPDMKQHDFKSPAMPEGVQERTIFFKDGNYKTRAEVKFEGDTL 120
 Qy 954 LVTLSLGVCQCFSPDMKQHDFKSPAMPEGVQERTIFFKDGNYKTRAEVKFEGDTL 1013
 Db 121 VNRIELKGIDFEDGNILGHKLEYNNNSHNYIMADKQNGIKVNFKIRHNIEDGSVOLA 180
 Db 1014 VNRIELKGIDFEDGNILGHKLEYNNNSHNYIMADKQNGIKVNFKIRHNIEDGSVOLA 1073
 Qy 181 DHYQQNTPIGDGVLLPDNHYLSTSQALSQDNNEKRHMVLXGFTAAGITLGMDELYK 239
 Db 1074 DHYQQNTPIGDGVLLPDNHYLSTSQALSQDNNEKRDHMVLIGFTAAGITLGMDELYK 1132

RESULT 6
 US-09-887-784-2
 / Sequence No. US-09-02017189A1
 / GENERAL INFORMATION: BJORN, Sara et al
 / TITLE OF INVENTION: NOVEL FLUORESCENT PROTEINS
 / FILE REFERENCE: 3759-0-115P
 / CURRENT FILING DATE: 2001-06-19
 / NUMBER OF SEQ ID NOS: 24
 / SEQ ID NO: 2
 / LENGTH: 239
 / ORGANISM: Aequorea victoria
 US-09-887-784-2

Query Match 100.0%; Score 1267; DB 14; Length 1132;
 Best Local Similarity 99.2%; Pred. No. 2,3e-11;
 Matches 237; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MYSKGEELFTGTVVPIVLDGVNGHKFVSSEGEQDATYGLTLKPICTGKLPPWPT 60
 Db 894 MYSKGEELFTGTVVPIVLDGVNGHKFVSSEGEQDATYGLTLKPICTGKLPPWPT 953
 Qy 61 LVTXLSTVQCFSPDMKQHDFKSPAMPEGVQERTIFFKDGNYKTRAEVKFEGDTL 120
 Qy 954 LVTLSLGVCQCFSPDMKQHDFKSPAMPEGVQERTIFFKDGNYKTRAEVKFEGDTL 1013
 Db 121 VNRIELKGIDFEDGNILGHKLEYNNNSHNYIMADKQNGIKVNFKIRHNIEDGSVOLA 180
 Db 1014 VNRIELKGIDFEDGNILGHKLEYNNNSHNYIMADKQNGIKVNFKIRHNIEDGSVOLA 1073
 Qy 181 DHYQQNTPIGDGPVLLPDNHYLSTSQALSQDNNEKRHMVLXGFTAAGITLGMDELYK 239
 Db 1074 DHYQQNTPIGDGPVLLPDNHYLSTSQALSQDNNEKRDHMVLIGFTAAGITLGMDELYK 1132

RESULT 8
 US-09-920-922-2
 / Sequence 2, Application US/09920922
 / Patent No. US2002008348A1
 / GENERAL INFORMATION:
 / APPLICANT: Miyawaki, Atsushi
 / TITLE OF INVENTION: METHOD FOR MUTAGENESIS
 / FILE REFERENCE: 11283-0-12001
 / CURRENT APPLICATION NUMBER: US/09/920,922
 / CURRENT FILING DATE: 2001-08-02
 / PRIOR APPLICATION NUMBER: JP 2000-237166
 / PRIOR FILING DATE: 2000-08-04
 / NUMBER OF SEQ ID NOS: 9
 / SOFTWARE: FastSEQ for Windows Version 4.0
 / SEQ ID NO: 2
 / LENGTH: 239
 / ORGANISM: Aequorea victoria
 US-09-920-922-2

Query Match 100.0%; Score 1267; DB 14; Length 1132;
 Best Local Similarity 99.2%; Pred. No. 3e-11;
 Matches 235; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MYSKGEELFTGTVVPIVLDGVNGHKFVSSEGEQDATYGLTLKPICTGKLPPWPT 60
 Db 894 MYSKGEELFTGTVVPIVLDGVNGHKFVSSEGEQDATYGLTLKPICTGKLPPWPT 953
 Qy 61 LVTXLSTVQCFSPDMKQHDFKSPAMPEGVQERTIFFKDGNYKTRAEVKFEGDTL 120
 Db 1014 VNRIELKGIDFEDGNILGHKLEYNNNSHNYIMADKQNGIKVNFKIRHNIEDGSVOLA 180
 Qy 954 LVTLSLGVCQCFSPDMKQHDFKSPAMPEGVQERTIFFKDGNYKTRAEVKFEGDTL 1013
 Db 121 VNRIELKGIDFEDGNILGHKLEYNNNSHNYIMADKQNGIKVNFKIRHNIEDGSVOLA 180
 Db 1014 VNRIELKGIDFEDGNILGHKLEYNNNSHNYIMADKQNGIKVNFKIRHNIEDGSVOLA 1073
 Qy 181 DHYQQNTPIGDGPVLLPDNHYLSTSQALSQDNNEKRHMVLXGFTAAGITLGMDELYK 239
 Db 1074 DHYQQNTPIGDGPVLLPDNHYLSTSQALSQDNNEKRDHMVLIGFTAAGITLGMDELYK 239

RESULT 7
 US-10-296-953-2
 / Sequence 2, Application US/10296953

GENERAL INFORMATION

APPLICANT: REGENTS OF THE UNIVERSITY OF CALIFORNIA

APPLICANT: Tsien, Roger

APPLICANT: ZACHARIAS, David

TITLE OF INVENTION: NON-OLIGOMERIZING FLUORESCENT PROTEINS

FILE REFERENCE: REGEN1530

CURRENT APPLICATION NUMBER: US/09/794,308

CURRENT FILING DATE: 2001-02-26

NUMBER OF SEQ ID NOS: 25

SOFTWARE: Patentin version 3.0

SEQ ID NO: 4

LENGTH: 239

TYPE: PRT

ORGANISM: Aequorea victoria

US-09-794-308-4

Query Match 99.1%; Score 1256; DB 10; Length 239;

Best Local Similarity 98.3%; Pred. No. 3e-111;

Matches 235; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MVSKGEBLFTGTVPIVLPDNYGLGKPSVSGEGEDATYKLTIFCITGKLKPVPWPT 60

Db 1 MVSKGEBLFTGTVPIVLPDNYGLGKPSVSGEGEDATYKLTIFCITGKLKPVPWPT 60

Qy 61 LYTXLSYGQCFSRYPDHMKQHDEFFSKAMPSGYQERTIFFKDDGNYKTRAEVKPEGDTL 120

Db 61 LYTXLSYGQCFSRYPDHMKQHDEFFSKAMPSGYQERTIFFKDDGNYKTRAEVKPEGDTL 120

Qy 121 VNRIELKGIDFKEGNILGHKLEYNTNSHNTYIMADKQKNGIKVNFKIRINTIEDGSVOLA 180

Db 121 VNRIELKGIDFKEGNILGHKLEYNTNSHNTYIMADKQKNGIKVNFKIRINTIEDGSVOLA 180

Qy 181 DHYQONTPIGDGPVLLPDNHYLSTOSALSKDPNEKDHMVLXGFVTAAGITLGMDLYK 239

Db 181 DHYQONTPIGDGPVLLPDNHYLSTOSALSKDPNEKDHMVLXGFVTAAGITLGMDLYK 239

RESULT 13

US-09-865-291-4

Sequence 4, Application US/09865291

Publication No. US20030186229A1

GENERAL INFORMATION:

APPLICANT: REGENTS OF THE UNIVERSITY OF CALIFORNIA

APPLICANT: Tsien, Roger

APPLICANT: TING, Alice

APPLICANT: ZHANG, Jin

TITLE OF INVENTION: EMISSION RADIOMETRIC INDICATORS OF PHOSPHORYLATION

FILE REFERENCE: REGEN1550

CURRENT APPLICATION NUMBER: US/09/865,291

CURRENT FILING DATE: 2001-05-24

NUMBER OF SEQ ID NOS: 42

SOFTWARE: Patentin version 3.0

SEQ ID NO: 4

LENGTH: 239

TYPE: PRT

ORGANISM: Aequorea victoria

US-09-865-291-4

Query Match 99.1%; Score 1256; DB 10; Length 239;

Best Local Similarity 98.3%; Pred. No. 3e-111;

Matches 235; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MVSKGEBLFTGTVPIVLPDNYGLGKPSVSGEGEDATYKLTIFCITGKLKPVPWPT 60

Db 1 MVSKGEBLFTGTVPIVLPDNYGLGKPSVSGEGEDATYKLTIFCITGKLKPVPWPT 60

Qy 61 LYTXLSYGQCFSRYPDHMKQHDEFFSKAMPSGYQERTIFFKDDGNYKTRAEVKPEGDTL 120

Db 61 LYTXLSYGQCFSRYPDHMKQHDEFFSKAMPSGYQERTIFFKDDGNYKTRAEVKPEGDTL 120

Qy 121 VNRIELKGIDFKEGNILGHKLEYNTNSHNTYIMADKQKNGIKVNFKIRINTIEDGSVOLA 180

Db 121 VNRIELKGIDFKEGNILGHKLEYNTNSHNTYIMADKQKNGIKVNFKIRINTIEDGSVOLA 180

Qy 181 DHYQONTPIGDGPVLLPDNHYLSTOSALSKDPNEKDHMVLXGFVTAAGITLGMDLYK 239

Db 181 DHYQONTPIGDGPVLLPDNHYLSTOSALSKDPNEKDHMVLXGFVTAAGITLGMDLYK 239

RESULT 15

US-10-221-461-7

Sequence 7, Application US/10221461

Publication No. US200301092202A1

GENERAL INFORMATION:

APPLICANT: Marsh, Donald J.

TITLE OF INVENTION: MELANIN CONCENTRATING HORMONE RECEPTOR

FILE REFERENCE: 20652P

CURRENT APPLICATION NUMBER: US/10/221,461

CURRENT FILING DATE: 2002-09-12

PRIOR APPLICATION NUMBER: PCT/US01/08071

PRIOR FILING DATE: 2001-01-14

PRIOR APPLICATION NUMBER: 60/189,698

NUMBER OF SEQ ID NOS: 37

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO: 7

LENGTH: 239

; TYPE: FRT
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: GFP derivative
US-10-221-461-7

FEATURE:
Query Match 99.1%; Score 1256; DB 14; Length 239;
Best Local Similarity 98.3%; Pred. No. 3e-111; Indels 0; Gaps 0;
Matches 235; Conservative 3; Mismatches 1;

Qy	Db	Sequence
1	1	MVSKGBELFIGVVPILVEDLGVDYNGHKFYSVSGEGDATYGLKLKFICTTGKLPLPVPMPT 60
1	1	MVSKGBELFIGVVPILVEDLGVDYNGHKFYSVSGEGDATYGLKLKFICTTGKLPLPVPMPT 60
Qy	61	LVTXLISYGVOOCFSRYPDANKQHDFFKSAMPFGYQERTIFFKDGNYKTRAEYKFEGLL 120
Db	61	LVTILTYGVOQFSRYPDANKQHDFFKSAMPFGYQERTIFFKDGNYKTRAEYKFEGLL 120
Qy	1.21	VNRIEKGIDDFKEDGNTLGHKLEYNNSHNVIMADKONGIKVNFKIARNHIEDGSVOLA 180
Db	1.21	VNRIEKGIDDFKEDGNTLGHKLEYNNSHNVIMADKONGIKVNFKIARNHIEDGSVOLA 180
Qy	1.81	DHYQQNTPIGDPGVLLPDNHYLSTOSALSKDPNEKRDHMYLXGFVTAAGITLGMDELYK 239
Db	1.81	DHYQQNTPIGDPGVLLPDNHYLSTOSALSKDPNEKRDHMYLXGFVTAAGITLGMDELYK 239

Search completed: November 2, 2004, 13:21:36
Job time : 131 secs